

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Masayoshi ABE et al.

Serial No.: New Application

Filed: December 26, 2001

For: OPTICAL DISK CONTROL DEVICE

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application,
please enter the following specification changes as noted below:

IN THE CLAIMS:

Please amend claims 8-10 as follows:

8. (Amended) An optical disk control device as defined in
Claim 1, wherein:

the serial transfer means is controlled on the basis of the
conversion command from the A/D conversion command means; and

the output signal from the playback signal detection means is transferred to the A/D conversion means, for every conversion command, according to the signal from the serial reception means.

9. (Amended) An optical disk control device as defined in Claim 1, wherein:

the conversion command from the A/D conversion command means, which is obtained from the serial reception means, includes a selection signal; and

the signal switching means is operated on the basis of the selection signal, and the time-division-multiplexed signal is transferred to the AD conversion means for every A/D conversion command.

10. (Amended) An optical disk control device as defined in Claim 1, wherein:

the serial transfer means and the serial reception means perform state-setting communication for setting the internal state of the optical disk control device, in addition to communication for the conversion command from the A/D conversion command means; and

discrimination between these communications is performed according to identifying signals or bit lengths.

REMARKS

Claims 1-14 remain pending herein. Claims 8-10 have been amended hereby.

This Preliminary Amendment is submitted to eliminate multiply dependent claims from the above-identified application.

Examination of this application on its merits is respectfully requested.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.



Roger W. Parkhurst
Registration No. 25,177

December 26, 2001
Date

RWP/mhs

Attachment: Claim Mark-ups

Attorney Docket No. HYAE:130

PARKHURST & WENDEL, L.L.P.
1421 Prince Street, Suite 210
Alexandria, Virginia 22314-2805
Telephone: (703) 739-0220

5. An optical disk control device as defined in Claim 3,
wherein:

each of the plural analog signal processing means further includes a sample hold means for sampling and holding the output signal from the signal switching means, on the basis of the signal transferred from the serial transfer means; and

the A/D conversion means converts the analog signal which is sampled and held by the sample hold means, into a digital signal, instead of the output signal from the signal switching means.

6. An optical disk control device as defined in Claim 4, wherein the analog signal processing means includes a pair of the signal switching means, and a pair of the sample hold means.

7. An optical disk control device as defined in Claim 4, wherein each of the plural analog signal processing means includes a pair of the signal switching means, and a pair of the sample hold means.

8. (Amended) An optical disk control device as defined in Claim 1 or 2, wherein:

the serial transfer means is controlled on the basis of the conversion command from the A/D conversion command means; and

the output signal from the playback signal detection means is transferred to the A/D conversion means, for every conversion

command, according to the signal from the serial reception means.

9. (Amended) An optical disk control device as defined in Claim
~~1—or 2,~~ wherein:

the conversion command from the A/D conversion command means,
which is obtained from the serial reception means, includes a
selection signal; and

the signal switching means is operated on the basis of the
selection signal, and the time-division-multiplexed signal is
transferred to the AD conversion means for every A/D conversion
command.

10. (Amended) An optical disk control device as defined in Claim
~~1—or 2,~~ wherein:

the serial transfer means and the serial reception means
perform state-setting communication for setting the internal
state of the optical disk control device, in addition to
communication for the conversion command from the A/D conversion
means; and

discrimination between these communications is performed
according to identifying signals or bit lengths.

11. An optical disk control device as defined in Claim 4,
wherein:

the analog signal processing means further includes a